UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	02/13/12 09:06- 02/15/12 11:36
Contact.....	Rich Fetzer
Report Date.....	03/20/12 10:17
Project #.....	DAS R33907
Work Order.....	1202005

Analyses included in this report:

Anions By IC 300.0
Oil & Grease 1664
Total Mercury by 245.1
Total Phosphorus by Bran&Lube 365.4
Nitrite+Nitrate as Nitrogen by EPA 353.2 FIA
Total Dissolved Solids by 2540C
Total Nitrogen by mod. EPA 353.2 FIA.
Total Suspended Solids by 2540D

Approved for Release

OASQA Representative

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater	**Project #: DAS R33907**

Report Narrative

This page is intentionally blank

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:
This report contains results for Inorganic analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202005-05, -06, -19 thru -23, -37 and 1202005-42 are not included in this report since these samples were designated for Volatile Organic analysis only.

For Work Order 1202005 - **This is Report 3 of 3**.

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

One sample vial for the VOC analysis was received broken for 1202005-16. One sample bottle for the Oil & Grease analysis was received broken for 1202005-11. Analysis was completed on the remaining vials and bottles.

One cooler that contained the samples for 1202005-12 (VOAs only), -13, -20, and -26 was received with the temperature blank vial broken. However, the cooler was packed with ice and the sample containers were cool to the touch. All remaining samples were received at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted..

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

TSS Analysis Note:
All required instrument QC was run and was within the required criteria.

TDS Analysis Note:
All required instrument QC was run and was within the required criteria.

As required for this project, sample results were qualified "B" when the TDS value was less than 10X the value reported for contaminated blanks. All samples with detectable results were qualified "B" due to the field blank (FB16) contamination.

Nitrite/Nitrate and Total Nitrogen Analysis Note:
Samples were run as an on-demand analysis.

Oil and Grease Analysis Note:
Samples were run as an on-demand analysis.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Report Narrative

The quantitation limit for all samples was qualified estimated 'UJ' due to the laboratory minimum reporting limit quality control check, one matrix spike, and one blank spike outside of criteria limits.

Samples were received in containers not conducive to use on the Horizon SPE-DEX automated system. Therefore, manual extraction technique was used for all samples. Refer to notes in the case file for additional information.

Mercury Analysis Note:
All required instrument QC was run and was within the required criteria.

Total Phosphorus Analyses Note:
All required instrument QC was run and was within the required criteria.

Anions Analysis Note:
All required instrument QC was run and was within the required criteria.

REPORT 3 of 3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW27z-F	1202005-01	Drinking Water	02/13/12 10:38	02/14/12 13:20
HW27-F	1202005-02	Drinking Water	02/13/12 10:37	02/14/12 13:20
HW55-F	1202005-03	Drinking Water	02/13/12 10:21	02/14/12 13:20
FB16-F	1202005-04	Water	02/13/12 09:06	02/14/12 13:20
HW27z	1202005-07	Drinking Water	02/13/12 10:38	02/14/12 13:20
HW27	1202005-08	Drinking Water	02/13/12 10:37	02/14/12 13:20
FB16	1202005-09	Water	02/13/12 09:06	02/14/12 13:20
HW55	1202005-10	Drinking Water	02/13/12 10:21	02/14/12 13:20
HW59	1202005-11	Drinking Water	02/14/12 10:33	02/15/12 10:43
HW11-P	1202005-12	Drinking Water	02/13/12 15:22	02/15/12 10:43
HW11	1202005-13	Drinking Water	02/13/12 15:05	02/15/12 10:43
HW53	1202005-14	Drinking Water	02/13/12 14:57	02/15/12 10:43
HW53-P	1202005-15	Drinking Water	02/13/12 15:17	02/15/12 10:43
FB17	1202005-16	Water	02/14/12 09:09	02/15/12 10:43
HW57-P	1202005-17	Drinking Water	02/14/12 10:31	02/15/12 10:43
HW58	1202005-18	Drinking Water	02/14/12 14:47	02/15/12 10:43
HW59-F	1202005-24	Drinking Water	02/14/12 10:33	02/15/12 10:43
HW11-PF	1202005-25	Drinking Water	02/13/12 15:22	02/15/12 10:43
HW11-F	1202005-26	Drinking Water	02/13/12 15:05	02/15/12 10:43
HW53-F	1202005-27	Drinking Water	02/13/12 14:57	02/15/12 10:43
HW53-PF	1202005-28	Drinking Water	02/13/12 15:17	02/15/12 10:43
HW58-F	1202005-29	Drinking Water	02/14/12 14:47	02/15/12 10:43
FB17-F	1202005-30	Water	02/14/12 09:09	02/15/12 10:43
HW57-PF	1202005-31	Drinking Water	02/14/12 10:31	02/15/12 10:43
HW57-F	1202005-32	Drinking Water	02/14/12 10:07	02/15/12 10:43
HW57	1202005-33	Drinking Water	02/14/12 10:07	02/15/12 10:43

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW03	1202005-34	Drinking Water	02/14/12 15:18	02/16/12 10:45
HW03-F	1202005-35	Drinking Water	02/14/12 15:18	02/16/12 10:45
HW03z	1202005-36	Drinking Water	02/14/12 15:19	02/16/12 10:45
HW03z-F	1202005-38	Drinking Water	02/14/12 15:19	02/16/12 10:45
FB18	1202005-39	Water	02/15/12 09:45	02/16/12 10:45
HW07	1202005-40	Drinking Water	02/15/12 11:36	02/16/12 10:45
HW07-F	1202005-41	Drinking Water	02/15/12 11:36	02/16/12 10:45
FB18-F	1202005-43	Drinking Water	02/15/12 09:45	02/16/12 10:45

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-07								
Station ID: HW27z								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**106**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-08								
Station ID: HW27								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**71**	B, J	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-09								
Station ID: FB16								
Sample Matrix: Water								
Collected: 02/13/2012								
Total Dissolved Solids	**43**		10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-10								
Station ID: HW55								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**102**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-11								
Station ID: HW59								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**77**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-12								
Station ID: HW11-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**140**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-13								
Station ID: HW11								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**125**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-14								
Station ID: HW53								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**138**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-15								
Station ID: HW53-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Total Dissolved Solids	**47**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-16								
Station ID: FB17								
Sample Matrix: Water								
Collected: 02/14/2012								
Total Dissolved Solids	U		10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-17								
Station ID: HW57-P								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**46**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-18								
Station ID: HW58								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**138**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-33								
Station ID: HW57								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**97**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	**69**		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-34								
Station ID: HW03								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**158**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-36								
Station ID: HW03z								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Total Dissolved Solids	**136**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-39								
Station ID: FB18								
Sample Matrix: Water								
Collected: 02/15/2012								
Total Dissolved Solids	U		10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Physical Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-40								
Station ID: HW07								
Sample Matrix: Drinking Water								
Collected: 02/15/2012								
Total Dissolved Solids	**141**	B	10	mg/L	1	02/16/12	02/27/12 11:20	SM2540C/R3QA105
Total Suspended Solids	U		10	mg/L	1	02/16/12	02/27/12 11:22	SM2540D/R3QA106

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-07								
Station ID: HW27z								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**0.612**		0.050	mg/L	1	03/07/12	03/08/12 14:31	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.2	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:36	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-08								
Station ID: HW27								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**0.608**		0.050	mg/L	1	03/07/12	03/08/12 14:32	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.2	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:37	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-09								
Station ID: FB16								
Sample Matrix: Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	03/07/12	03/08/12 14:33	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:39	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-10								
Station ID: HW55								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**0.300**		0.050	mg/L	1	03/07/12	03/08/12 14:34	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.2	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:40	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-11								
Station ID: HW59								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Nitrite + Nitrate as N	**2.27**		0.050	mg/L	1	03/07/12	03/08/12 14:37	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.1	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	**2.20**		1.00	mg/L	1	03/09/12	03/12/12 12:43	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-12								
Station ID: HW11-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**0.162**		0.050	mg/L	1	03/07/12	03/08/12 14:39	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:46	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-13								
Station ID: HW11								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**0.142**		0.050	mg/L	1	03/07/12	03/08/12 14:40	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:47	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-14								
Station ID: HW53								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**1.40**		0.050	mg/L	1	03/07/12	03/08/12 14:44	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.2	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	**1.33**		1.00	mg/L	1	03/09/12	03/12/12 12:51	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-15								
Station ID: HW53-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Nitrite + Nitrate as N	**1.39**		0.050	mg/L	1	03/07/12	03/08/12 14:45	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.2	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	**1.34**		1.00	mg/L	1	03/09/12	03/12/12 12:52	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-16								
Station ID: FB17								
Sample Matrix: Water								
Collected: 02/14/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	03/07/12	03/08/12 14:46	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.5	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:54	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-17								
Station ID: HW57-P								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Nitrite + Nitrate as N	**0.267**		0.050	mg/L	1	03/07/12	03/08/12 14:48	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:55	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202005-18							
Station ID:	HW58							
Sample Matrix:	Drinking Water							
Collected:	02/14/2012							
Nitrite + Nitrate as N	**0.750**		0.050	mg/L	1	03/07/12	03/08/12 14:49	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:57	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202005-33							
Station ID:	HW57							
Sample Matrix:	Drinking Water							
Collected:	02/14/2012							
Nitrite + Nitrate as N	**0.349**		0.050	mg/L	1	03/07/12	03/08/12 14:51	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.5	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 12:59	EPA 353.2
Total Phosphorus	**0.215**		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-34								
Station ID: HW03								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	03/07/12	03/08/12 14:54	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.1	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 13:02	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-36								
Station ID: HW03z								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	03/07/12	03/08/12 14:57	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.1	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 13:04	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-39								
Station ID: FB18								
Sample Matrix: Water								
Collected: 02/15/2012								
Nitrite + Nitrate as N	U		0.050	mg/L	1	03/07/12	03/08/12 14:59	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.6	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	U		1.00	mg/L	1	03/09/12	03/12/12 13:05	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Classical Chemistry Parameters

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-40								
Station ID: HW07								
Sample Matrix: Drinking Water								
Collected: 02/15/2012								
Nitrite + Nitrate as N	**0.874**		0.050	mg/L	1	03/07/12	03/08/12 15:00	EPA 353.2
Oil & Grease (HEM)	U	UJ	5.3	mg/L	1	03/07/12	03/08/12 09:00	EPA1664 RevA/R3QA163
Total Nitrogen	**1.31**		1.00	mg/L	1	03/09/12	03/12/12 13:06	EPA 353.2
Total Phosphorus	U		0.050	mg/L	1	03/08/12	03/09/12 15:51	EPA 365.4

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-07								
Station ID: HW27z								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**3.46**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**11.6**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-08								
Station ID: HW27								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**3.46**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**11.6**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-09								
Station ID: FB16								
Sample Matrix: Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-10								
Station ID: HW55								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**4.52**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**8.47**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-11								
Station ID: HW59								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**10.9**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**11.0**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-12								
Station ID: HW11-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**7.01**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**13.3**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-13								
Station ID: HW11								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**7.24**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**13.7**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-14								
Station ID: HW53								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**13.3**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**10.0**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-15								
Station ID: HW53-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**13.2**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**10.0**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-16								
Station ID: FB17								
Sample Matrix: Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-17								
Station ID: HW57-P								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**1.54**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**8.38**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-18								
Station ID: HW58								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**6.53**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**10.6**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-33								
Station ID: HW57								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**1.78**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**7.79**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-34								
Station ID: HW03								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**5.36**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**4.82**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-36								
Station ID: HW03z								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**5.36**		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**4.80**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-39								
Station ID: FB18								
Sample Matrix: Water								
Collected: 02/15/2012								
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	U		0.250	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Anions

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID:	1202005-40							
Station ID:	HW07							
Sample Matrix:	Drinking Water							
Collected:	02/15/2012							
Bromide	U		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Chloride	**23.6**		1.00	mg/L	4	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Fluoride	U		0.100	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108
Sulfate as SO4	**10.4**		0.500	mg/L	1	03/07/12	03/07/12 11:16	EPA 300.0/R3QA108

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-01								
Station ID: HW27z-F								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 10:53	EPA 245.1/R3QA131
Lab ID: 1202005-02								
Station ID: HW27-F								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 10:56	EPA 245.1/R3QA131
Lab ID: 1202005-03								
Station ID: HW55-F								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:00	EPA 245.1/R3QA131
Lab ID: 1202005-04								
Station ID: FB16-F								
Sample Matrix: Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:02	EPA 245.1/R3QA131
Lab ID: 1202005-07								
Station ID: HW27z								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:04	EPA 245.1/R3QA131

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-08								
Station ID: HW27								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:10	EPA 245.1/R3QA131
Lab ID: 1202005-09								
Station ID: FB16								
Sample Matrix: Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:12	EPA 245.1/R3QA131
Lab ID: 1202005-10								
Station ID: HW55								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:14	EPA 245.1/R3QA131
Lab ID: 1202005-11								
Station ID: HW59								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:16	EPA 245.1/R3QA131
Lab ID: 1202005-12								
Station ID: HW11-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:18	EPA 245.1/R3QA131

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-13								
Station ID: HW11								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:22	EPA 245.1/R3QA131
Lab ID: 1202005-14								
Station ID: HW53								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:26	EPA 245.1/R3QA131
Lab ID: 1202005-15								
Station ID: HW53-P								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:34	EPA 245.1/R3QA131
Lab ID: 1202005-16								
Station ID: FB17								
Sample Matrix: Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:36	EPA 245.1/R3QA131
Lab ID: 1202005-17								
Station ID: HW57-P								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:38	EPA 245.1/R3QA131

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-18								
Station ID: HW58								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:40	EPA 245.1/R3QA131
Lab ID: 1202005-24								
Station ID: HW59-F								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:42	EPA 245.1/R3QA131
Lab ID: 1202005-25								
Station ID: HW11-PF								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:44	EPA 245.1/R3QA131
Lab ID: 1202005-26								
Station ID: HW11-F								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:46	EPA 245.1/R3QA131
Lab ID: 1202005-27								
Station ID: HW53-F								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/27/12	02/28/12 11:48	EPA 245.1/R3QA131

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-28								
Station ID: HW53-PF								
Sample Matrix: Drinking Water								
Collected: 02/13/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 10:59	EPA 245.1/R3QA131
Lab ID: 1202005-29								
Station ID: HW58-F								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:02	EPA 245.1/R3QA131
Lab ID: 1202005-30								
Station ID: FB17-F								
Sample Matrix: Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:06	EPA 245.1/R3QA131
Lab ID: 1202005-31								
Station ID: HW57-PF								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:08	EPA 245.1/R3QA131
Lab ID: 1202005-32								
Station ID: HW57-F								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:10	EPA 245.1/R3QA131

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-33								
Station ID: HW57								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:16	EPA 245.1/R3QA131
Lab ID: 1202005-34								
Station ID: HW03								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:18	EPA 245.1/R3QA131
Lab ID: 1202005-35								
Station ID: HW03-F								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:22	EPA 245.1/R3QA131
Lab ID: 1202005-36								
Station ID: HW03z								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:26	EPA 245.1/R3QA131
Lab ID: 1202005-38								
Station ID: HW03z-F								
Sample Matrix: Drinking Water								
Collected: 02/14/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:30	EPA 245.1/R3QA131

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Total Metals

Analyte	Result	Flags/ Qualifiers	Quantitation Limit	Units	Dilution	Prepared	Analyzed	Method/SOP#
Lab ID: 1202005-39								
Station ID: FB18								
Sample Matrix: Water								
Collected: 02/15/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:32	EPA 245.1/R3QA131
Lab ID: 1202005-40								
Station ID: HW07								
Sample Matrix: Drinking Water								
Collected: 02/15/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:34	EPA 245.1/R3QA131
Lab ID: 1202005-41								
Station ID: HW07-F								
Sample Matrix: Drinking Water								
Collected: 02/15/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:40	EPA 245.1/R3QA131
Lab ID: 1202005-43								
Station ID: FB18-F								
Sample Matrix: Drinking Water								
Collected: 02/15/2012								
Mercury	U		0.2	ug/L	1	02/29/12	03/01/12 11:42	EPA 245.1/R3QA131

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data

Physical Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21606 - TDS/TSS prep										
Blank (BB21606-BLK1)				Prepared: 02/16/12 17:34			Analyzed: 02/27/12 11:20			
Total Dissolved Solids	U	10	mg/L							
Duplicate (BB21606-DUP1)	**Source: 1202005-08**			Prepared: 02/16/12 17:34			Analyzed: 02/27/12 11:20			
Total Dissolved Solids	125	10	mg/L		71			55	20	A
Duplicate (BB21606-DUP2)	**Source: 1202005-18**			Prepared: 02/16/12 17:34			Analyzed: 02/27/12 11:20			
Total Dissolved Solids	153	10	mg/L		138			10	20	
Reference (BB21606-SRM1)				Prepared: 02/16/12 17:34			Analyzed: 02/27/12 11:20			
Total Dissolved Solids	277		mg/L	352.00		79	74-126			
Batch BB21607 - TDS/TSS prep										
Blank (BB21607-BLK1)				Prepared: 02/16/12 17:40			Analyzed: 02/27/12 11:22			
Total Suspended Solids	U	10	mg/L							
Duplicate (BB21607-DUP1)	**Source: 1202005-08**			Prepared: 02/16/12 17:40			Analyzed: 02/27/12 11:22			
Total Suspended Solids	U	10	mg/L		0				20	
Duplicate (BB21607-DUP2)	**Source: 1202005-18**			Prepared: 02/16/12 17:40			Analyzed: 02/27/12 11:22			
Total Suspended Solids	1	10	mg/L		0			200	20	D
Reference (BB21607-SRM1)				Prepared: 02/16/12 17:40			Analyzed: 02/27/12 11:22			
Total Suspended Solids	69		mg/L	73.200		94	80-112			

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BC20703 - Nutrient Prep										
Blank (BC20703-BLK1)				Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:26			
Nitrite + Nitrate as N	U	0.050	mg/L							
LCS (BC20703-BS1)				Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:28			
Nitrite + Nitrate as N	3.098	0.050	mg/L	3.0000		103	85-115			
Duplicate (BC20703-DUP1)		**Source: 1202005-10**		Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:36			
Nitrite + Nitrate as N	0.299	0.050	mg/L		0.300			0.4	20	
Duplicate (BC20703-DUP2)		**Source: 1202005-18**		Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:50			
Nitrite + Nitrate as N	0.739	0.050	mg/L		0.750			2	20	
MRL Check (BC20703-MRL1)				Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:29			
Nitrite + Nitrate as N	0.046	0.050	mg/L	0.050000		92	60-140			
Matrix Spike (BC20703-MS1)		**Source: 1202005-11**		Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:38			
Nitrite + Nitrate as N	3.228	0.050	mg/L	1.0000	2.269	96	85-115			
Matrix Spike (BC20703-MS2)		**Source: 1202005-33**		Prepared: 03/07/12 11:18			Analyzed: 03/08/12 14:53			
Nitrite + Nitrate as N	1.201	0.050	mg/L	1.0000	0.349	85	85-115			
Batch BC20704 - Nutrient Prep										
Blank (BC20704-BLK1)				Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:30			
Total Nitrogen	U	1.00	mg/L							
LCS (BC20704-BS1)				Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:33			
Total Nitrogen	5.09	1.00	mg/L	5.0000		102	85-115			

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BC20704 - Nutrient Prep										
Duplicate (BC20704-DUP1)		**Source: 1202005-10**		Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:41			
Total Nitrogen	0.29	1.00	mg/L		0.21			33	20	D
Duplicate (BC20704-DUP2)		**Source: 1202005-18**		Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:58			
Total Nitrogen	0.74	1.00	mg/L		0.66			11	20	
MRL Check (BC20704-MRL1)				Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:35			
Total Nitrogen	0.937400	1.00	mg/L	1.0000		94	60-140			
Matrix Spike (BC20704-MS1)		**Source: 1202005-11**		Prepared: 03/09/12 14:00			Analyzed: 03/12/12 12:44			
Total Nitrogen	3.23	1.00	mg/L	1.0000	2.20	103	85-115			
Matrix Spike (BC20704-MS2)		**Source: 1202005-33**		Prepared: 03/09/12 14:00			Analyzed: 03/12/12 13:01			
Total Nitrogen	1.32	1.00	mg/L	1.0000	0.38	94	85-115			
Batch BC20707 - Oil and Grease Prep										
Blank (BC20707-BLK1)				Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	U	5.0	mg/L							
LCS (BC20707-BS1)				Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	6.7	5.0	mg/L	40.280		17	78-114			A
Duplicate (BC20707-DUP1)		**Source: 1202005-08**		Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	U	5.2	mg/L		U				20	
Duplicate (BC20707-DUP2)		**Source: 1202005-33**		Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	U	5.5	mg/L		U				20	

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BC20707 - Oil and Grease Prep										
MRL Check (BC20707-MRL1)				Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	4.0	5.0	mg/L	8.0560		50	60-140			A
Matrix Spike (BC20707-MS1)	**Source: 1202005-11**			Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	23.9	5.2	mg/L	41.526	U	58	78-114			A
Matrix Spike (BC20707-MS2)	**Source: 1202005-34**			Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	1.4	5.2	mg/L	41.526	U	3	78-114			A
Reference (BC20707-SRM1)				Prepared: 03/07/12 14:13			Analyzed: 03/08/12 09:00			
Oil & Grease (HEM)	32.3		mg	38.800		83	66.6-113.2			
Batch BC20801 - TP water Prep										
Blank (BC20801-BLK1)				Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	U	0.050	mg/L							
LCS (BC20801-BS1)				Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	0.960	0.050	mg/L	1.0000		96	90-110			
Duplicate (BC20801-DUP2)	**Source: 1202005-17**			Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	U	0.050	mg/L		0.00				20	
Matrix Spike (BC20801-MS1)	**Source: 1202005-17**			Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	0.632	0.050	mg/L	0.60000	0.00	105	69.9-121.9			
Reference (BC20801-SRM1)				Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	0.543		mg/L	0.50000		109	64.6-140.4			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data

Classical Chemistry Parameters

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BC20801 - TP water Prep										
Reference (BC20801-SRM2)				Prepared: 03/08/12 09:12			Analyzed: 03/09/12 15:51			
Total Phosphorus	1.00		mg/L	1.0000		100	75.8-128			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data

Anions

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BC20702 - Anions Water Prep										
Blank (BC20702-BLK1)				Prepared: 03/07/12 09:17			Analyzed: 03/07/12 11:16			
Bromide	U	0.500	mg/L							
Chloride	U	0.250	"							
Fluoride	U	0.100	"							
Sulfate as SO4	U	0.500	"							
LCS (BC20702-BS1)				Prepared: 03/07/12 09:17			Analyzed: 03/07/12 11:16			
Bromide	10.0	0.500	mg/L	10.000		100	90-110			
Chloride	5.02	0.250	"	5.0000		100	90-110			
Fluoride	2.02	0.100	"	2.0000		101	90-110			
Sulfate as SO4	10.0	0.500	"	10.000		100	90-110			
Duplicate (BC20702-DUP1)	**Source: 1202005-17**			Prepared: 03/07/12 09:17			Analyzed: 03/07/12 11:16			
Bromide	U	0.500	mg/L		U				15	
Chloride	1.52	0.250	"		1.54			1	10	
Fluoride	U	0.100	"		U				10	
Sulfate as SO4	8.36	0.500	"		8.38			0.2	10	
Matrix Spike (BC20702-MS1)	**Source: 1202005-17**			Prepared: 03/07/12 09:17			Analyzed: 03/07/12 11:16			
Bromide	5.01	0.500	mg/L	5.0000	U	100	91.9-105.3			
Chloride	4.06	0.250	"	2.5000	1.54	101	85-112.7			
Fluoride	0.986	0.100	"	1.0000	U	99	80.5-121.4			
Sulfate as SO4	13.7	0.500	"	5.0000	8.38	106	86.4-112.5			
Reference (BC20702-SRM1)				Prepared: 03/07/12 09:17			Analyzed: 03/07/12 11:16			
Bromide	10.0		mg/L	10.000		100	90-110			
Chloride	5.03		"	5.0000		101	90-110			
Fluoride	1.98		"	2.0000		99	90-110			
Sulfate as SO4	10.1		"	10.000		101	90-110			

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB22403 - Mercury 245.1/245.2/7470a Prep										
Blank (BB22403-BLK1)				Prepared: 02/27/12 10:45			Analyzed: 02/28/12 10:47			
Mercury	U	0.2	ug/L							
Blank (BB22403-BLK2)				Prepared: 02/27/12 10:45			Analyzed: 02/28/12 11:20			
Mercury	U	0.2	ug/L							
LCS (BB22403-BS1)				Prepared: 02/27/12 10:45			Analyzed: 02/28/12 10:49			
Mercury	1.916	0.2	ug/L	2.0000		96	85-115			
Duplicate (BB22403-DUP1)		**Source: 1202005-01**		Prepared: 02/27/12 10:45			Analyzed: 02/28/12 10:55			
Mercury	U	0.2	ug/L		U				20	
Duplicate (BB22403-DUP2)		**Source: 1202005-13**		Prepared: 02/27/12 10:45			Analyzed: 02/28/12 11:24			
Mercury	U	0.2	ug/L		U				20	
Matrix Spike (BB22403-MS1)		**Source: 1202005-02**		Prepared: 02/27/12 10:45			Analyzed: 02/28/12 10:58			
Mercury	2.003	0.2	ug/L	2.0000	U	100	70-130			
Matrix Spike (BB22403-MS2)		**Source: 1202005-14**		Prepared: 02/27/12 10:45			Analyzed: 02/28/12 11:28			
Mercury	1.937	0.2	ug/L	2.0000	U	97	70-130			
Batch BB22803 - Mercury 245.1/245.2/7470a Prep										
Blank (BB22803-BLK1)				Prepared: 02/29/12 10:15			Analyzed: 03/01/12 10:53			
Mercury	U	0.2	ug/L							
Blank (BB22803-BLK2)				Prepared: 02/29/12 10:15			Analyzed: 03/01/12 11:20			
Mercury	U	0.2	ug/L							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB22803 - Mercury 245.1/245.2/7470a Prep										
LCS (BB22803-BS1)				Prepared: 02/29/12 10:15			Analyzed: 03/01/12 10:56			
Mercury	1.896	0.2	ug/L	2.0000		95	85-115			
Duplicate (BB22803-DUP1)		**Source: 1202005-28**		Prepared: 02/29/12 10:15			Analyzed: 03/01/12 11:00			
Mercury	U	0.2	ug/L		U				20	
Duplicate (BB22803-DUP2)		**Source: 1202005-35**		Prepared: 02/29/12 10:15			Analyzed: 03/01/12 11:24			
Mercury	U	0.2	ug/L		U				20	
Matrix Spike (BB22803-MS1)		**Source: 1202005-29**		Prepared: 02/29/12 10:15			Analyzed: 03/01/12 11:04			
Mercury	1.928	0.2	ug/L	2.0000	U	96	70-130			
Matrix Spike (BB22803-MS2)		**Source: 1202005-36**		Prepared: 02/29/12 10:15			Analyzed: 03/01/12 11:28			
Mercury	1.963	0.2	ug/L	2.0000	U	98	70-130			

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Notes and Definitions

UJ	The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
D	Source sample result and/or duplicate sample result are below the quantitation limit and the RPD is artificially high. Precision data (RPD value) has no significance for this QC Sample.
B	Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
A	Quality control value is outside acceptance limits.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.